

Amendment
Application No. 10/814,807
Attorney Docket No. 042320

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Listing of Claims

Claim 1 (previously presented): A vacuum heat insulating material, comprising:

a core material;

a gas adsorbent; and

a bag made from a gas barrier film, housing the core material and the gas adsorbent, wherein the interior of the bag has a reduced pressure and the bag is air-tightly sealed, wherein the core material is a molded product obtained by coating a resin binder on inorganic fibers having an average fiber diameter in the range of from 3 to 5 μm at a coating amount in the range of from 0.5 to 1.5 wt % relative to the fibers and applying heat pressing to the inorganic fibers, or a laminate fabricated by stacking two or more sheets of the molded product, wherein the resin binder is one or more selected from the group consisting of phenol resin, NBR rubber modified high ortho-phenol resin, NBR rubber modified phenol resin, melamine resin, epoxy resin, NBR, nitrile rubber, and acrylic rubber.

Claim 2 (original): The vacuum heat insulating material according to claim 1, wherein the inorganic fibers are one or more kinds selected from the group consisting of glass fibers, ceramic fibers, rock wool, silica alumina wool.

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Claim 3 (canceled)

Claim 4 (withdrawn): A manufacturing method for a vacuum heat insulating material in which a binder is coated on inorganic fibers having an average fiber diameter in the range of from 3 to 5 μm at a coating amount in the range of from 0.5 to 1.5 wt % relative to the fibers, a core material made of a molded product obtained by pressure-molding the inorganic fibers while being heated or a core material fabricated by stacking two or more sheets of the molded product together with a gas adsorbent is housed in a bag made from a gas barrier film, and the interior of the bag is reduced in internal pressure thereof, followed by air-tight sealing of an opening thereof.

Claim 5 (withdrawn): The manufacturing method for a vacuum heat insulating material according to claim 4, wherein the opening is air-tightly sealed by a double heat seal.

Claim 6 (new): A vacuum heat insulating material according to claim 1, wherein the resin binder is phenol resin.